

**Notice of Allowability**

Application No.

09/839,527

Applicant(s)

CHARISIUS ET AL.

Examiner

Lawrence Shrader

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment/RCE filed on 5/12/2005.
2. ☒ The allowed claim(s) is/are 1 - 128.
3. ☒ The drawings filed on 20 April 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other _____   |

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### DETAILED ACTION

1. This action is responsive to the Applicant's amendment/RCE filed on 5/12/2005.
2. Claims 1 – 128 are allowed in view of the amendment.

#### *Allowable Subject Matter*

3. Prior art taken either singly and/or in combination, does not teach or disclose a method as recited in independent claims 1, 6, 11, 17, 23, 29, and 34; a computer-readable medium as recited in independent claims 40, 45, 50, 56, 62, 68, and 73; and a system as recited in claims 79, 85, 91, 97, 102, and 108 with the following features:

Simultaneously displaying graphical and textual source code wherein *graphical and textual representations of the source code are generated from a language-neutral representation of the source code that includes a data structure having a source code interface (SCI) model, an SCI model, an SCI package, and an SCI class, and an SCI member*, wherein the language-neutral representation of the source code is stored in a non-repository transient meta model.

The closest prior art is Pazel, U.S. Patent 5,410,648 (Reissue 36,422), which discloses a graphical representation of source code by receiving a breakpoint and locating the portion of the code corresponding to the breakpoint in a visually distinctive manner with highlighting, but does not disclose generating a transient meta model which stores a language-neutral representation of

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the source code *that includes a data structure having a source code interface (SCI) model, an SCI model, an SCI package, and an SCI class, and an SCI member*, and storing the language neutral representation in an non-repository transient model.

Thus all remaining dependent claims 2 – 5, 109; 7 – 10, 110; 12 – 16, 111; 18 – 22, 112; 24 – 28, 113; 30 – 33, 114; 35 – 39, 115; 41 – 44, 116; 46 – 49, 117; 51 – 55, 118; 57 – 61, 119; 63 – 67, 120; 69 – 72, 121; 74 – 78, 122; 80 – 84, 123; 86 – 90, 124; 92 – 96, 125; 98 – 101, 126; 103 – 107, 127; and 128 are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

### ***Conclusion***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lawrence Shrader whose telephone number is (571) 272-3734. The examiner can normally be reached on M-F 08:00-16:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on (571) 272-3719. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lawrence Shrader  
Examiner  
Art Unit 2193

15 June 2005

*Kakali Chaki*  
**KAKALI CHAKI**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2100**